

Please replace paragraph [0009] with the following paragraph (a marked-up copy of the amended paragraph is included in Appendix attached to this amendment):

[0009] The object of the invention is to provide a method and a device that after the degassing and/or gasification of waste, further converts the remaining residual products as completely as possible and recovers them.

After paragraph [0010] insert the following paragraphs [0010.1] to [0010.6]:

[00010.1] The present invention is directed to a process for drying, separating, classifying, and decomposing waste products from at least one of a waste degassing and gasification process, comprising introducing solid waste products and waste gases wholly or partially in a funnel-shaped lower part of a shaft-like chamber, and at least one of simultaneously and subsequently introducing air and the waste gases from the degassing and/or gasification process separately into the chamber from below under pressure, the air is introduced into the chamber substantially axially and the waste gases are introduced into the chamber substantially tangentially, resulting in a rotationally symmetrical, fountaining eddying of the solid and gaseous substances in the chamber, and, subsequently or during continuous processing, dried, separated, classified, and substantially decomposed products are downwardly discharged from the chamber.

[00010.2] The recoverable waste products can comprise coke, ash, hydrocarbons, CO₂, CO, H₂, H₂O.

[00010.3] The air can be introduced in a truncated-cone-shaped floor of the chamber axially through a round, double-walled part of a discharge shaft.

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[00010.4] The air can be at least one of preheated and introduced into the chamber under a pressure of 6-8 kPa.

[00010.5] The waste gases can be introduced tangentially through openings in the funnel-shaped part of the chamber so that the gases encounter the introduced air in an area of the solids.

[00010.6] The waste gases can be introduced into the chamber under a pressure of 6-8 kPa.